

PDR RID Report

Originator Ray Talipsky **Phone No** (609)951-7508
Organization Code 421/Martin-Marietta
E Mail Address rtalip0@seamis1.gsfc.nasa.gov
Document

RID ID	PDR	41
Review	FOS	
Originator Ref		RT002
Priority	2	

Section

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Figure Table

Category Name Design **Actionee** HAIS
Sub Category
Subject Command Buffering and Timing

Description of Problem or Suggestion:

The AM-1 spacecraft has critical constraints relative to the timing of the delivery of commands to the spacecraft.

Originator's Recommendation

Clarify how commands are buffered and metered within the EOC. Work with EDOS personnel to ensure that critical command constraints are satisfied as commands are routed through the ground system.

GSFC Response by:

GSFC Response Date

HAIS Response by: D. Herring

HAIS Schedule 1/13/95

HAIS R. E. D. Dunn

HAIS Response Date 1/18/95

Discussions between ECS FOT personnel and MMC FOT personel resulted in the following conclusions: 1) The EOC can not guarantee command spacing through the entire ground system. The EOC has no control over timing once the commands leave the control center. We assume ECOM, EDOS, WSGT, etc. will maintain command spacing. This has never been a problem on other missions (Landsat 4/5, EP, GOES). 2) The FOT does NOT want the FOS to directly constraint check spacing between commands during a real-time support. Command spacing will be achieved indirectly when creating Activities (Relative Times) and Command Procedures (Wait Statements). A second level of command spacing (constraint checking) will be done during Activity, Command Procedure, and Ground Script Validation.

Status **Closed**

Date Closed **2/1/95**

Sponsor **Johns**

***** **Attachment if any** *****